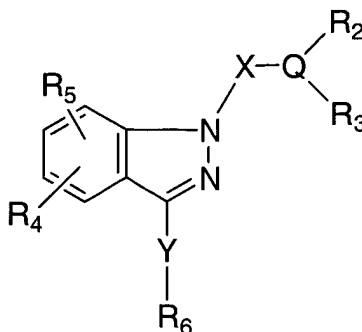


In the Claims

Amend the claims as follows:

- 1 (Amended). A compound of the structural formula I:



Formula I

or a pharmaceutically acceptable salt, enantiomer, diastereomer or mixture thereof:

wherein,

R represents hydrogen, or C₁₋₆ alkyl;

X represents $-(CHR_7)_p-$, $-(CHR_7)_pCO-$, wherein p is not zero;

Y represents $-CO(CH_2)_n-$; ~~CH₂, or CH(OR);~~

Q represents CR_Y;

R_Y represents H, or C₁₋₆ alkyl;

R_w represents H, C₁₋₆ alkyl, $-C(O)C_{1-6}$ alkyl, $-C(O)OC_{1-6}$ alkyl, $-SO_2N(R)_2$, $-SO_2C_{1-6}$ alkyl, $-SO_2C_{6-10}$ aryl, NO₂, CN or $-C(O)N(R)_2$;

R₂ represents hydrogen, C₁₋₁₀ alkyl, OH, C₂₋₆ alkenyl, C₁₋₆ alkylSR, $-(CH_2)_nO(CH_2)_mOR$, $-(CH_2)_nC_{1-6}$ alkoxy, $-(CH_2)_nC_{3-8}$ cycloalkyl, $-(CH_2)_nC_{3-10}$ heterocyclyl, $-N(R)_2$, $-COOR$, or $-(CH_2)_nC_{6-10}$ aryl, said alkyl, heterocyclyl, or aryl optionally substituted with 1-3 groups selected from R^a;

R₃ represents hydrogen, C₁₋₁₀ alkyl, $-(CH_2)_nC_{3-8}$ cycloalkyl, $-(CH_2)_nC_{3-10}$ heterocyclyl, $-(CH_2)_nCOOR$, $-(CH_2)_nC_{6-10}$ aryl, $-(CH_2)_nNHR_8$, $-(CH_2)_nN(R)_2$, $-(CH_2)_nN(R_8)_2$, $-(CH_2)_nNHCOOR$, $-(CH_2)_nN(R_8)CO_2R$, $-(CH_2)_nN(R_8)COR$, $-(CH_2)_nNHCOR$, $-(CH_2)_nCONH(R_8)$, aryl, $-(CH_2)_nC_{1-6}$ alkoxy, CF₃, $-(CH_2)_nSO_2R$, $-(CH_2)_nSO_2N(R)_2$, $-(CH_2)_nCON(R)_2$, $-(CH_2)_nCONHC(R)_3$, $-(CH_2)_nCONHC(R)_2CO_2R$, $-(CH_2)_nCOR_8$, nitro, cyano or halogen, said alkyl, alkoxy, heterocyclyl, or aryl optionally substituted with 1-3 groups of R^a;

or R₂ and R₃ taken together with the intervening Q form a 3-10 membered carbocyclic or heterocyclic carbon ring optionally interrupted by 1-2 atoms of O, S, C(O) or NR, and optionally having 1-4 double bonds, and optionally substituted by 1-3 groups selected from R^a;

or R₂ and R₃ taken together with the intervening Q represent OR;

R₄ and R₅ independently represent hydrogen, C₁₋₆ alkoxy, OH, C₁₋₆ alkyl, COOR, SO_qC₁₋₆ alkyl, COC₁₋₆ alkyl, SO₃H, -O(CH₂)_nN(R)₂, -O(CH₂)_nCO₂R, -OPO(OH)₂, CF₃, OCF₃, -N(R)₂, nitro, cyano, C₁₋₆ alkylamino, or halogen; and

R₆ represents hydrogen, C₁₋₁₀ alkyl, -(CH₂)_nC₆₋₁₀ aryl, NR_cR_d, -NR(CH₂)_nC₆₋₁₀ aryl, -N((CH₂)_nC₆₋₁₀ aryl)₂, -(CH₂)_nC₃₋₁₀ heterocyclyl, -NR(CH₂)_nC₃₋₁₀ heterocyclyl, -N((CH₂)_nC₃₋₁₀ heterocyclyl)₂ (C₆₋₁₀ aryl)O-, -(CH₂)_nC₃₋₈ cycloalkyl, -COOR, -C(O)CO₂R, said aryl, heterocyclyl and alkyl optionally substituted with 1-3 groups selected from R^a, wherein the R^a(s) can be attached to any carbon atom or heteroatom selected from N and S;

R_c and R_d independently represent H, C₁₋₆ alkyl, C₂₋₆ alkenyl, C₁₋₆ alkylSR, -(CH₂)_nO(CH₂)_mOR, -(CH₂)_nC₁₋₆ alkoxy, or -(CH₂)_nC₃₋₈ cycloalkyl;

or R_c and R_d taken together with the intervening N atom form a 4-10 membered heterocyclic carbon ring optionally interrupted by 1-2 atoms of O, S, C(O) or NR, and optionally having 1-4 double bonds, and optionally substituted by 1-3 groups selected from R^a;

R₇ represents hydrogen, C₁₋₆ alkyl, -(CH₂)_nCOOR or -(CH₂)_nN(R)₂,

R₈ represents -(CH₂)_nC₃₋₈ cycloalkyl, -(CH₂)_n 3-10 heterocyclyl, C₁₋₆ alkoxy or -(CH₂)_nC₅₋₁₀ heteroaryl, -(CH₂)_nC₆₋₁₀ aryl said heterocyclyl, aryl or heteroaryl optionally substituted with 1-3 groups selected from R^a;

R^a represents F, Cl, Br, I, CF₃, N(R)₂, NO₂, CN, -O-, -COR₈, -CONHR₈, -CON(R₈)₂, -O(CH₂)_nCOOR, -NH(CH₂)_nOR, -COOR, -OCF₃, CF₂CH₂OR, -NHCOR, -SO₂R, -SO₂NR₂, -SR, (C₁-C₆ alkyl)O-, -(CH₂)_nO(CH₂)_mOR, -(CH₂)_nC₁₋₆ alkoxy, (aryl)O-, -(CH₂)_nOH, (C₁-C₆ alkyl)S(O)_m-, H₂N-C(NH)-, (C₁-C₆ alkyl)C(O)-, (C₁-C₆ alkyl)OC(O)NH-, -(C₁-C₆ alkyl)NR_w(CH₂)_nC₃₋₁₀ heterocyclyl-R_w, -(C₁-C₆ alkyl)O(CH₂)_nC₃₋₁₀ heterocyclyl-R_w, -(C₁-C₆ alkyl)S(CH₂)_nC₃₋₁₀ heterocyclyl-R_w, -(C₁-C₆ alkyl)-C₃₋₁₀ heterocyclyl-R_w, -(CH₂)_n-Z¹-C(=Z²)N(R)₂, -(C₂₋₆ alkenyl)NR_w(CH₂)_nC₃₋₁₀ heterocyclyl-R_w, -(C₂₋₆ alkenyl)O(CH₂)_nC₃₋₁₀ heterocyclyl-

R_w , $-(C_{2-6} \text{ alkenyl})S(CH_2)_n C_{3-10} \text{ heterocyclyl}-R_w$, $-(C_{2-6} \text{ alkenyl})-C_{3-10} \text{ heterocyclyl}-R_w$, $-(C_{2-6} \text{ alkenyl})-Z^1-C(=Z^2)N(R)_2$, $-(CH_2)_n SO_2R$, $-(CH_2)_n SO_3H$, $-(CH_2)_n PO(OR)_2$, $C_{3-10} \text{ cycloalkyl}$, $C_{6-10} \text{ aryl}$, $C_{3-10} \text{ heterocyclyl}$, $C_{2-6} \text{ alkenyl}$, and $C_1-C_{10} \text{ alkyl}$, said alkyl, alkenyl, alkoxy, heterocyclyl and aryl optionally substituted with 1-3 groups selected from $C_1-C_6 \text{ alkyl}$, halogen, $(CH_2)_n OH$, CN, NO_2 , $CON(R)_2$ and COOR;

Z^1 and Z^2 independently represents NR_w , O, CH_2 , or S;

m is 0-3;

n is 0-3;

p is 0-3 and

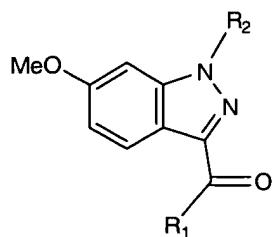
q is 0-2.

2 (Original). A compound according to claim 1 wherein R_6 is $C_{1-10} \text{ alkyl}$, $(CH_2)_n C_{6-10} \text{ aryl}$, $(CH_2)_n C_{3-10} \text{ heterocyclyl}$, $NR_c R_d$ or $(CH_2)_n C_{3-8} \text{ cycloalkyl}$, said aryl, heterocyclyl and alkyl optionally substituted with 1 to 3 groups of R^a .

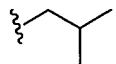
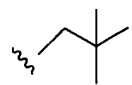
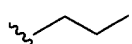
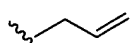
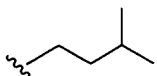
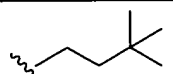
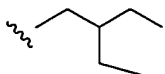
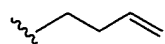
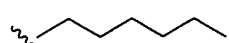
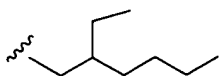
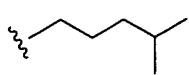
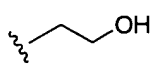
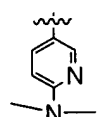
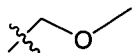
3 (Original). A compound according to claim 1 wherein Y is $-CO(CH_2)_n$, n is 0, R_2 is $C_{1-10} \text{ alkyl}$ or $C_{1-6} \text{ alkylOR}$ and R_3 is $C_{1-10} \text{ alkyl}$, $(CH_2)_n C_{3-10} \text{ heterocyclyl}$, X is $-(CHR_7)_p CO-$, and p is 1-3 said heterocyclyl and alkyl optionally substituted with 1 to 3 groups of R^a .

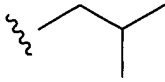
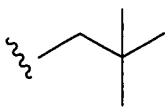
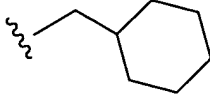
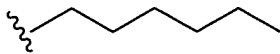
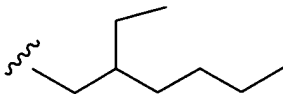
4 (Amended). A compound in accordance with claim 1 which is:

Table 1



R1	R2

R1	R2
	
	
	
	
	
	
	
	
	
	
	
	
	

R1	R2
	
	
	
	
	

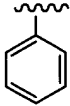
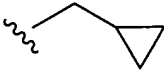
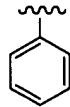
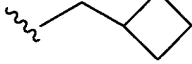
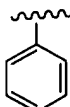
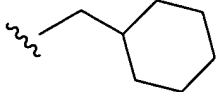
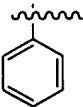
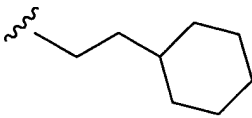
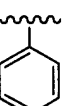
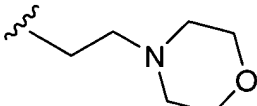
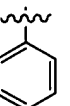
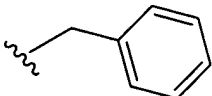
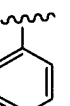
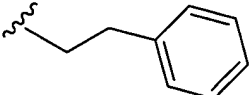
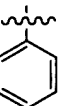
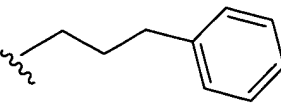
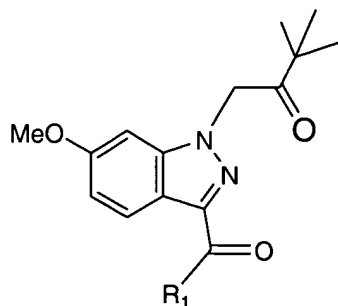
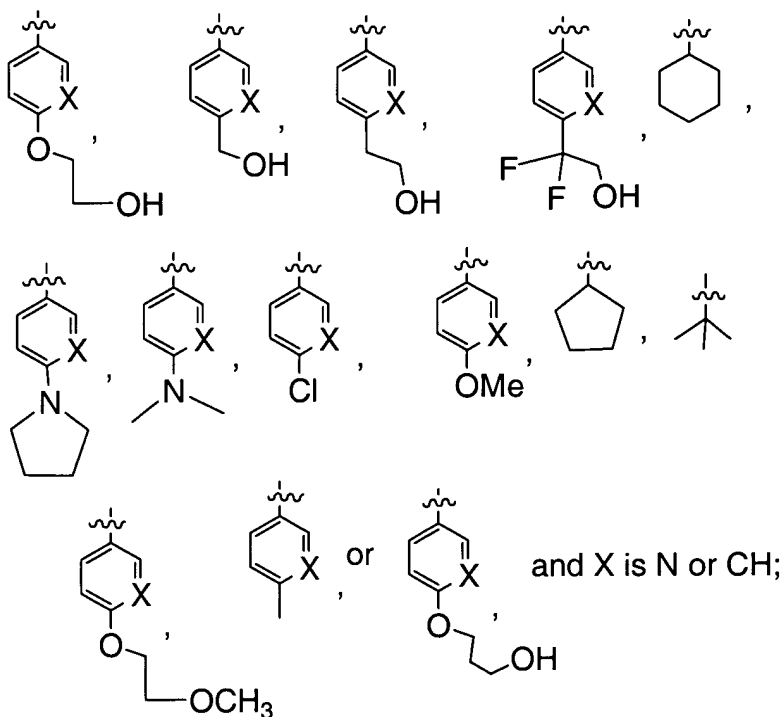
R1	R2
	
	
	
	
	
	
	
	

Table 2



wherein R₁ is



or a pharmaceutically acceptable salt, enantiomer, diastereomer or mixture thereof.

5. Cancel.

6. Cancel.

7. Cancel

8. Cancel

9 (Original). A composition comprising a compound of formula I of claim 1 and a pharmaceutically acceptable carrier.

10. Cancel

11. Cancel

12. Cancel